



PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

*(to be used for all correspondence after initial filing)*

Application Number Filing Date First Named Inventor Art Unit Examiner Name	10/620,923 07/16/2003 Tatsuhiko Nonoyama, et al. 1755 C. Melissa Koslow
Total Number of Pages in This Submission	Attorney Docket Number
	4041K-000141

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form  <input checked="" type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC)  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  <b style="text-align: center;">Return Receipt Postcard</b>
		<div style="border: 1px solid black; padding: 2px; display: inline-block;">Remarks</div> <div style="margin-left: 10px;">The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750.</div>

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Michael J. Schmidt	Reg. No. 34,007
Signature			
Date	January 20, 2005		

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Michael J. Schmidt	Express Mail Label No.	EV 570 163 110 US (1/20/2005)
Signature		Date	January 20, 2005

This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

E V 5 7 0 1 6 3 1 1 0 U S

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# FEES TRANSMITTAL

## for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 450)

Complete if Known	
Application Number	10/620,923
Filing Date	07/16/2003
First Named Inventor	Tatsuhiko Nonoyama, et al.
Examiner Name	C. Melissa Koslow
Art Unit	1755
Attorney Docket No.	4041K-000141

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																																																											
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number      08-0750 Deposit Account Name      Harness, Dickey & Pierce, PLC				<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Fee Code</td><td>Fee (\$)</td><td>Fee Code (\$)</td><td></td></tr> <tr><td>1051</td><td>130</td><td>2051</td><td>65 Surcharge - late filing fee or oath</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25 Surcharge - late provisional filing fee or cover sheet</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130 Non-English specification</td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520 For filing a request for reexamination</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920* Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840* Requesting publication of SIR after Examiner action</td></tr> <tr><td>1251</td><td>120</td><td>2251</td><td>60 Extension for reply within first month</td></tr> <tr><td>1252</td><td>450</td><td>2252</td><td>225 Extension for reply within second month</td></tr> <tr><td>1253</td><td>1020</td><td>2253</td><td>510 Extension for reply within third month</td></tr> <tr><td>1254</td><td>1,590</td><td>2254</td><td>795 Extension for reply within fourth month</td></tr> <tr><td>1255</td><td>2,160</td><td>2255</td><td>1080 Extension for reply within fifth month</td></tr> <tr><td>1401</td><td>500</td><td>2401</td><td>250 Notice of Appeal</td></tr> <tr><td>1402</td><td>500</td><td>2402</td><td>250 Filing a brief in support of an appeal</td></tr> <tr><td>1403</td><td>1000</td><td>2403</td><td>500 Request for oral hearing</td></tr> <tr><td>1452</td><td>500</td><td>2452</td><td>250 Petition to revive – unavoidable</td></tr> <tr><td>1453</td><td>1500</td><td>2453</td><td>750 Petition to revive – unintentional</td></tr> <tr><td>1501</td><td>1400</td><td>2501</td><td>700 Utility issue fee (or reissue)</td></tr> <tr><td>1502</td><td>800</td><td>2502</td><td>400 Design issue fee</td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130 Petitions to the Commissioner</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50 Processing fee under 37 CFR 1.17 (q)</td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180 Submission of Information Disclosure Stmt</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40 Recording each patent assignment per property (times number of properties)</td></tr> <tr><td>1809</td><td>790</td><td>2809</td><td>395 Filing a submission after final rejection (37 CFR § 1.129(a))</td></tr> <tr><td>1810</td><td>790</td><td>2810</td><td>395 For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395 Request for Continued Examination (RCE)</td></tr> <tr> <td colspan="4">Other fee (specify) _____</td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid      SUBTOTAL (3) (\$450)</td> </tr> <tr> <th colspan="8">4. SEARCH/EXAMINATION FEES</th> </tr> <tr> <td colspan="4"> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Fee Code</td><td>Fee (\$)</td><td>Fee Code (\$)</td><td></td></tr> <tr><td>1202</td><td>50</td><td>2202</td><td>25 Claims in excess of 20</td></tr> <tr><td>1201</td><td>200</td><td>2201</td><td>100 Independent claims in excess of 3</td></tr> <tr><td>1203</td><td>360</td><td>2203</td><td>180 Multiple dependent claim, if not paid</td></tr> <tr><td>1204</td><td>200</td><td>2204</td><td>100 ** Reissue independent claims over original patent</td></tr> <tr><td>1205</td><td>50</td><td>2205</td><td>25 ** Reissue claims in excess of 20 and over original patent</td></tr> <tr> <td colspan="4">SUBTOTAL (2) (\$0)</td> </tr> </tbody> </table> </td> <td colspan="4"> <table border="1"> <thead> <tr> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Utility Search Fee</td><td></td></tr> <tr><td>Design Search Fee</td><td></td></tr> <tr><td>Plant Search Fee</td><td></td></tr> <tr><td>Reissue Search Fee</td><td></td></tr> <tr><td>Utility Examination Fee</td><td></td></tr> <tr><td>Design Examination Fee</td><td></td></tr> <tr><td>Plant Examination Fee</td><td></td></tr> <tr><td>Reissue Examination Fee</td><td></td></tr> <tr> <td colspan="2">SUBTOTAL (4) (\$0)</td> </tr> </tbody> </table> </td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code (\$)		1051	130	2051	65 Surcharge - late filing fee or oath	1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet	1053	130	1053	130 Non-English specification	1812	2,520	1812	2,520 For filing a request for reexamination	1804	920*	1804	920* Requesting publication of SIR prior to Examiner action	1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action	1251	120	2251	60 Extension for reply within first month	1252	450	2252	225 Extension for reply within second month	1253	1020	2253	510 Extension for reply within third month	1254	1,590	2254	795 Extension for reply within fourth month	1255	2,160	2255	1080 Extension for reply within fifth month	1401	500	2401	250 Notice of Appeal	1402	500	2402	250 Filing a brief in support of an appeal	1403	1000	2403	500 Request for oral hearing	1452	500	2452	250 Petition to revive – unavoidable	1453	1500	2453	750 Petition to revive – unintentional	1501	1400	2501	700 Utility issue fee (or reissue)	1502	800	2502	400 Design issue fee	1460	130	1460	130 Petitions to the Commissioner	1807	50	1807	50 Processing fee under 37 CFR 1.17 (q)	1806	180	1806	180 Submission of Information Disclosure Stmt	8021	40	8021	40 Recording each patent assignment per property (times number of properties)	1809	790	2809	395 Filing a submission after final rejection (37 CFR § 1.129(a))	1810	790	2810	395 For each additional invention to be examined (37 CFR § 1.129(b))	1801	790	2801	395 Request for Continued Examination (RCE)	Other fee (specify) _____				*Reduced by Basic Filing Fee Paid      SUBTOTAL (3) (\$450)				4. SEARCH/EXAMINATION FEES								<table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Fee Code</td><td>Fee (\$)</td><td>Fee Code (\$)</td><td></td></tr> <tr><td>1202</td><td>50</td><td>2202</td><td>25 Claims in excess of 20</td></tr> <tr><td>1201</td><td>200</td><td>2201</td><td>100 Independent claims in excess of 3</td></tr> <tr><td>1203</td><td>360</td><td>2203</td><td>180 Multiple dependent claim, if not paid</td></tr> <tr><td>1204</td><td>200</td><td>2204</td><td>100 ** Reissue independent claims over original patent</td></tr> <tr><td>1205</td><td>50</td><td>2205</td><td>25 ** Reissue claims in excess of 20 and over original patent</td></tr> <tr> <td colspan="4">SUBTOTAL (2) (\$0)</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code (\$)		1202	50	2202	25 Claims in excess of 20	1201	200	2201	100 Independent claims in excess of 3	1203	360	2203	180 Multiple dependent claim, if not paid	1204	200	2204	100 ** Reissue independent claims over original patent	1205	50	2205	25 ** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2) (\$0)				<table border="1"> <thead> <tr> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Utility Search Fee</td><td></td></tr> <tr><td>Design Search Fee</td><td></td></tr> <tr><td>Plant Search Fee</td><td></td></tr> <tr><td>Reissue Search Fee</td><td></td></tr> <tr><td>Utility Examination Fee</td><td></td></tr> <tr><td>Design Examination Fee</td><td></td></tr> <tr><td>Plant Examination Fee</td><td></td></tr> <tr><td>Reissue Examination Fee</td><td></td></tr> <tr> <td colspan="2">SUBTOTAL (4) (\$0)</td> </tr> </tbody> </table>				Fee Description	Fee Paid	Utility Search Fee		Design Search Fee		Plant Search Fee		Reissue Search Fee		Utility Examination Fee		Design Examination Fee		Plant Examination Fee		Reissue Examination Fee		SUBTOTAL (4) (\$0)	
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																																																																																												
Fee Code	Fee (\$)	Fee Code (\$)																																																																																																																																																																																													
1051	130	2051	65 Surcharge - late filing fee or oath																																																																																																																																																																																												
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																												
1053	130	1053	130 Non-English specification																																																																																																																																																																																												
1812	2,520	1812	2,520 For filing a request for reexamination																																																																																																																																																																																												
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action																																																																																																																																																																																												
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action																																																																																																																																																																																												
1251	120	2251	60 Extension for reply within first month																																																																																																																																																																																												
1252	450	2252	225 Extension for reply within second month																																																																																																																																																																																												
1253	1020	2253	510 Extension for reply within third month																																																																																																																																																																																												
1254	1,590	2254	795 Extension for reply within fourth month																																																																																																																																																																																												
1255	2,160	2255	1080 Extension for reply within fifth month																																																																																																																																																																																												
1401	500	2401	250 Notice of Appeal																																																																																																																																																																																												
1402	500	2402	250 Filing a brief in support of an appeal																																																																																																																																																																																												
1403	1000	2403	500 Request for oral hearing																																																																																																																																																																																												
1452	500	2452	250 Petition to revive – unavoidable																																																																																																																																																																																												
1453	1500	2453	750 Petition to revive – unintentional																																																																																																																																																																																												
1501	1400	2501	700 Utility issue fee (or reissue)																																																																																																																																																																																												
1502	800	2502	400 Design issue fee																																																																																																																																																																																												
1460	130	1460	130 Petitions to the Commissioner																																																																																																																																																																																												
1807	50	1807	50 Processing fee under 37 CFR 1.17 (q)																																																																																																																																																																																												
1806	180	1806	180 Submission of Information Disclosure Stmt																																																																																																																																																																																												
8021	40	8021	40 Recording each patent assignment per property (times number of properties)																																																																																																																																																																																												
1809	790	2809	395 Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																												
1810	790	2810	395 For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																												
1801	790	2801	395 Request for Continued Examination (RCE)																																																																																																																																																																																												
Other fee (specify) _____																																																																																																																																																																																															
*Reduced by Basic Filing Fee Paid      SUBTOTAL (3) (\$450)																																																																																																																																																																																															
4. SEARCH/EXAMINATION FEES																																																																																																																																																																																															
<table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Fee Code</td><td>Fee (\$)</td><td>Fee Code (\$)</td><td></td></tr> <tr><td>1202</td><td>50</td><td>2202</td><td>25 Claims in excess of 20</td></tr> <tr><td>1201</td><td>200</td><td>2201</td><td>100 Independent claims in excess of 3</td></tr> <tr><td>1203</td><td>360</td><td>2203</td><td>180 Multiple dependent claim, if not paid</td></tr> <tr><td>1204</td><td>200</td><td>2204</td><td>100 ** Reissue independent claims over original patent</td></tr> <tr><td>1205</td><td>50</td><td>2205</td><td>25 ** Reissue claims in excess of 20 and over original patent</td></tr> <tr> <td colspan="4">SUBTOTAL (2) (\$0)</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code (\$)		1202	50	2202	25 Claims in excess of 20	1201	200	2201	100 Independent claims in excess of 3	1203	360	2203	180 Multiple dependent claim, if not paid	1204	200	2204	100 ** Reissue independent claims over original patent	1205	50	2205	25 ** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2) (\$0)				<table border="1"> <thead> <tr> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Utility Search Fee</td><td></td></tr> <tr><td>Design Search Fee</td><td></td></tr> <tr><td>Plant Search Fee</td><td></td></tr> <tr><td>Reissue Search Fee</td><td></td></tr> <tr><td>Utility Examination Fee</td><td></td></tr> <tr><td>Design Examination Fee</td><td></td></tr> <tr><td>Plant Examination Fee</td><td></td></tr> <tr><td>Reissue Examination Fee</td><td></td></tr> <tr> <td colspan="2">SUBTOTAL (4) (\$0)</td> </tr> </tbody> </table>				Fee Description	Fee Paid	Utility Search Fee		Design Search Fee		Plant Search Fee		Reissue Search Fee		Utility Examination Fee		Design Examination Fee		Plant Examination Fee		Reissue Examination Fee		SUBTOTAL (4) (\$0)																																																																																																																																					
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																																																																																												
Fee Code	Fee (\$)	Fee Code (\$)																																																																																																																																																																																													
1202	50	2202	25 Claims in excess of 20																																																																																																																																																																																												
1201	200	2201	100 Independent claims in excess of 3																																																																																																																																																																																												
1203	360	2203	180 Multiple dependent claim, if not paid																																																																																																																																																																																												
1204	200	2204	100 ** Reissue independent claims over original patent																																																																																																																																																																																												
1205	50	2205	25 ** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																												
SUBTOTAL (2) (\$0)																																																																																																																																																																																															
Fee Description	Fee Paid																																																																																																																																																																																														
Utility Search Fee																																																																																																																																																																																															
Design Search Fee																																																																																																																																																																																															
Plant Search Fee																																																																																																																																																																																															
Reissue Search Fee																																																																																																																																																																																															
Utility Examination Fee																																																																																																																																																																																															
Design Examination Fee																																																																																																																																																																																															
Plant Examination Fee																																																																																																																																																																																															
Reissue Examination Fee																																																																																																																																																																																															
SUBTOTAL (4) (\$0)																																																																																																																																																																																															

\*\*or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Michael J. Schmidt	Registration No. (Attorney/Agent)	34,007	Telephone	(248) 641-1600
Signature				Date	January 20, 2005

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.